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08/21/2001

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Sheet 1 of 1

Atty. Docket No. SAIC0017	Serial No. 09/933,004
First Named Inventor:	
David Charles RICKS	
Filing Date	Group

Unknown

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Date of Publication	Name of P Applicant Document	i gi C	 Int'l. Class	U.S. Class
	Al	3892051	07-01-1975	Bunker /	\overline{I}		
	A2	4259661	03-31-1981	Todď			
	A4	5285291	02-08-1994	Schiller			

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author, title of the article, title of the item, date, page(s), volume-issue number(s), publisher, city and/or country where published
	B1	S. Havkin, Adaptive Filter Theory, 35 edition, esp. pp. 194, 483, Prentice Hall, 1996.
	B2	Bernard Widrow and Samuel Steams, Adaptive Signal Processing, Prentice Hall, 1985.
	В3	G. H. Golub and C. R. Van Loan, Matrix Computations, 3 rd edition, Johns Hopkins University Press, (esp. pp. 18-19), with examples tabulated on pp. 254, 263, and 270, 1996.
	B4	Harold Abelson and Gerald Sussman, Structure and Interpretation of Computer Programs, MIT Press and McGraw Hill, pp. 39-40.
	B5	J. S. Goldstein, I. S. Reed, and L. L. Scharf, "A multistage representation of the Wiener filter based on orthogonal projections," IEEE Transactions on Information Theory, vol.44, no. 7, pp. 2943-2959, November 1998.
	В6	D. C. Ricks, and J. S. Goldstein, 'Efficient architectures for implementing adaptive algorithms," Proceedings of the 2000 Antenna Applications Symposium, pp. 29-41, Allerton Park, Monticello, Illinois, September 20-22, 2000.

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EXAMINER	DATE CONSIDERED
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*Examiner: Initial if referenced considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Form PTO-1449 (Rev. 2-32)	Patent & Trademark Office		Atty. Docket No. SAIC0017		Serial No. 09/933,044		
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Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date (if appropriate)
TM		5,285,291	2/8/94	Schiller	358	453	2/8/91
TM		4,259,661	3/31/81	Todd	340	146.3 AQ	9/1/78
TM		3,892,051	7/1/75	Bunker ENT DOCUMEN	35	12 N	10/31/73
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the growth of the	OTI	HER DOCUMENT International Searce 2001 (mailing date S. Haykin, Adaptive Bernard Widrow and G. H. Golub and C	ch Report for A ye Filter Theor and Samuel Ste F. Van Loan sp. pp. 18-19 d Gerald Suss	Author, Title, Date Application No. PC ry, 3rd edition, esp earns, Adaptive Sign, Matrix Computate, with examples taken and Structure and	e, Rertinent Pa CT/US01/2659 . pp. 194, 483 gnal Processin tions, 3rd editi bulated on pp.	ges, Etc.) 2, dated N , Prentice I g, Prentice on, Johns I 254, 263,	ovember 26, Hall, 1996 Hall, 1985 Hopkins and 270, 1996
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